

CITY OF RIVERSIDE
SEWER IMPROVEMENT PLAN

GENERAL NOTES:

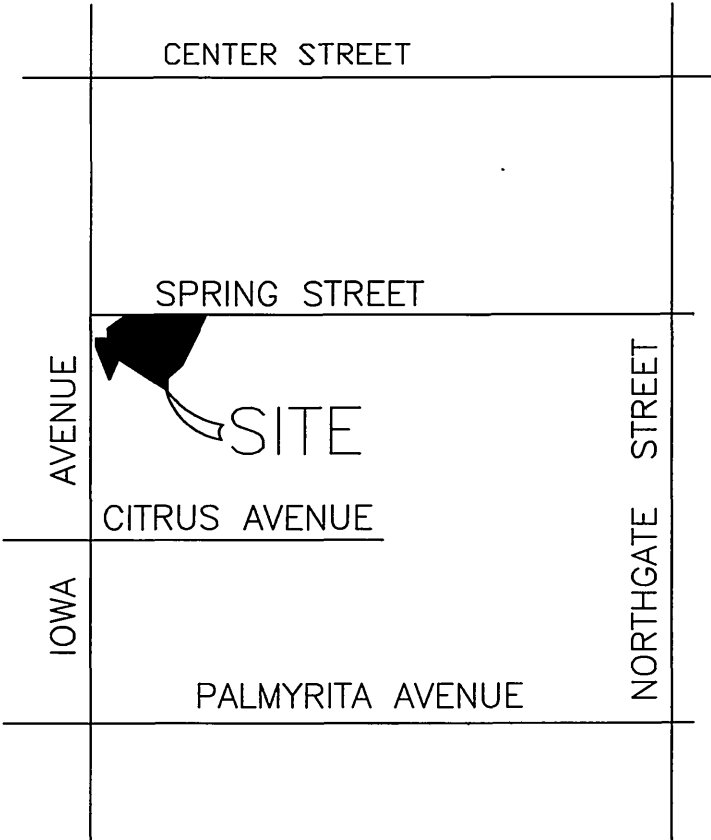
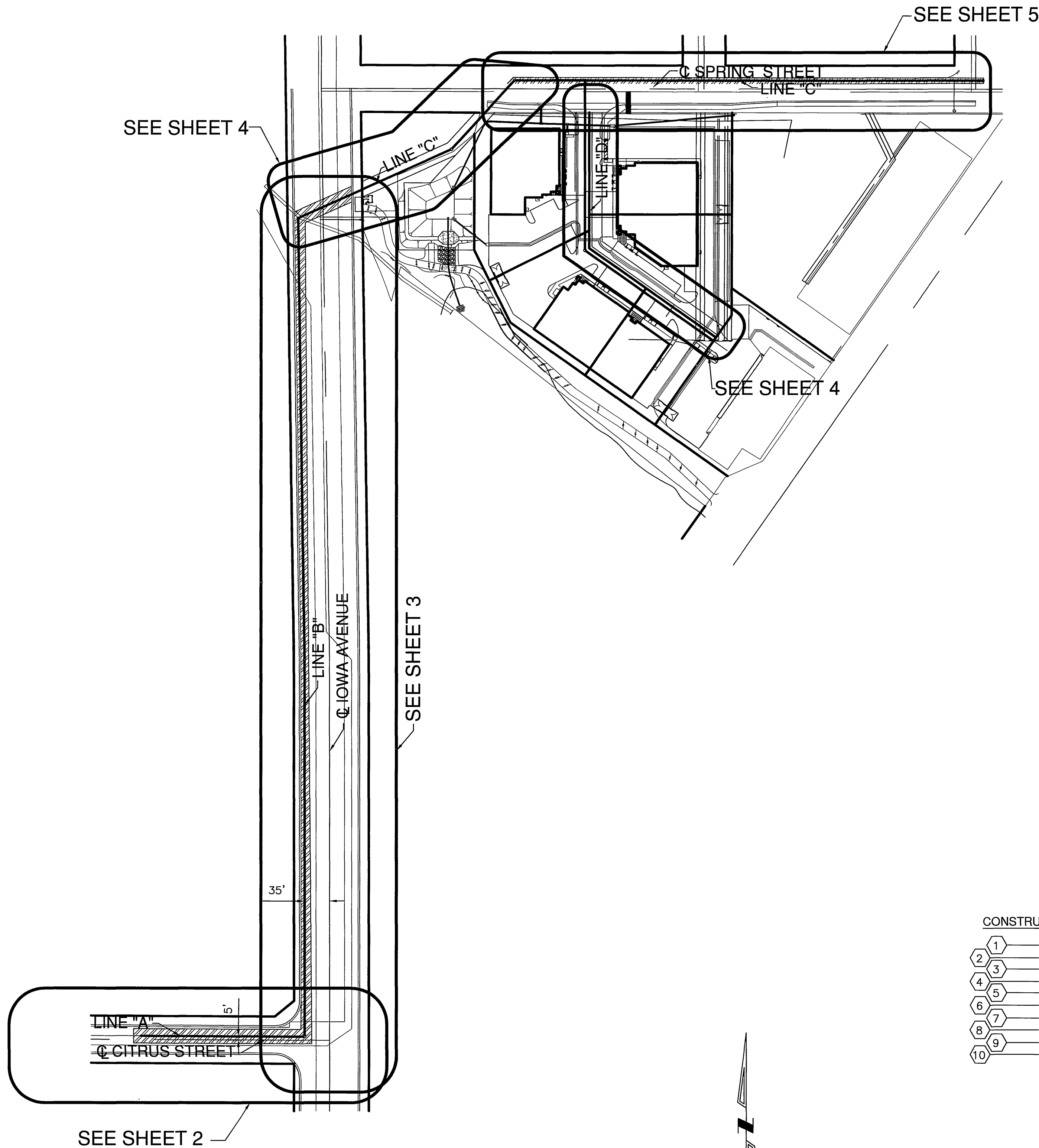
1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION OR, A STREET OPENING PERMIT, OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF THE LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
3. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND THE ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING THE ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
5. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
6. ANY TRAFFIC CONTROL, STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTOR.
7. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED THE INQUIRY IDENTIFICATION NUMBER BY THE USA.
8. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
9. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
10. A PLUG SHALL BE INSTALLED AND AND SHALL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
11. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
12. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DISCRETION OF THE OWNER. AVOID CONFLICT WITH PROPOSED OR EXISTING FACILITIES.

ENGINEERS NOTES TO CONTRACTOR:

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THIS PLAN ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS.
2. ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR, AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS".
3. THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS' AND SUBCONTRACTORS' COMPLIANCE WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR OR WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS, "CONSTRUCTION SAFETY ORDERS".
4. THE CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTORS SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

UNAUTHORIZED CHANGES AND USES:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.



VICINITY MAP
NOT TO SCALE

CONSTRUCTION NOTES:

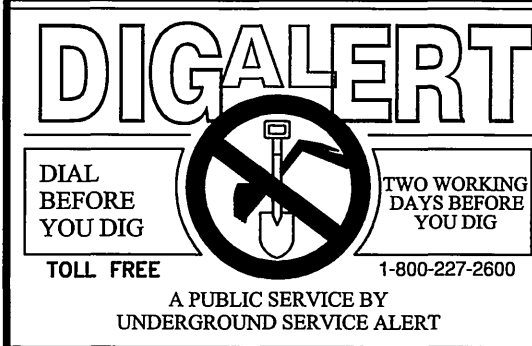
1. CONSTRUCT 8" VCP SEWER LINE
2. CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500
3. CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT PER CITY OF RIVERSIDE DWG. NO. 562A
4. CONSTRUCT TRENCH BACKFILL PER CITY OF RIVERSIDE STD. DWG. NO. 453
5. CONSTRUCT PIPE BEDDING, CASE II PER CITY OF RIVERSIDE DWG. NO. 452
6. CONSTRUCT 8"x4" WYE LATERAL
7. SAW CUT AND REMOVE EXISTING AC PAVEMENT
8. CONSTRUCT AC PAVEMENT TO MATCH EXISTING SECTION
9. INSTALL END CAP
10. CONSTRUCT CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 560

2,935 LF
12
7 EA
2,935 LF
2,935 LF
6 EA
26,931 SF
26,931 SF
1 EA
1 EA

INDEX MAP



CITY TAX CERTIFICATE NO. 027049 EXP. 1-25-06



BENCH MARK: J8-F2
CHISLED SQUARE AT THE SOUTH TOP OF A CATCH BASIN ON THE NORTHERLY SIDE OF CENTER STREET EAST OF TRANSIT AVENUE
DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV: 952.776

CITY OF RIVERSIDE
PUBLIC UTILITIES ELECTRIC DIVISION
APPROVED BY: *[Signature]* 12/21/05
DATE: 12/21/05
CITY OF RIVERSIDE
PUBLIC UTILITIES WATER DIVISION
APPROVED BY: *[Signature]* 12/21/05
DATE: 12/21/05
ALL SHEETS

Southland Engineering
2200 BUSINESS WAY, Ste. 100
RIVERSIDE, CA. 92501
(951) 788-8488
PREPARED UNDER THE SUPERVISION OF
[Signature] 12/21/05
ALLEN W. MARTIN
R.C.E. 38463 EXP. 3-31-07

MARK DESIGNED BY: NU
REVISIONS DRAWN BY: NU
APPR. DATE: AM
CHECKED BY: AM

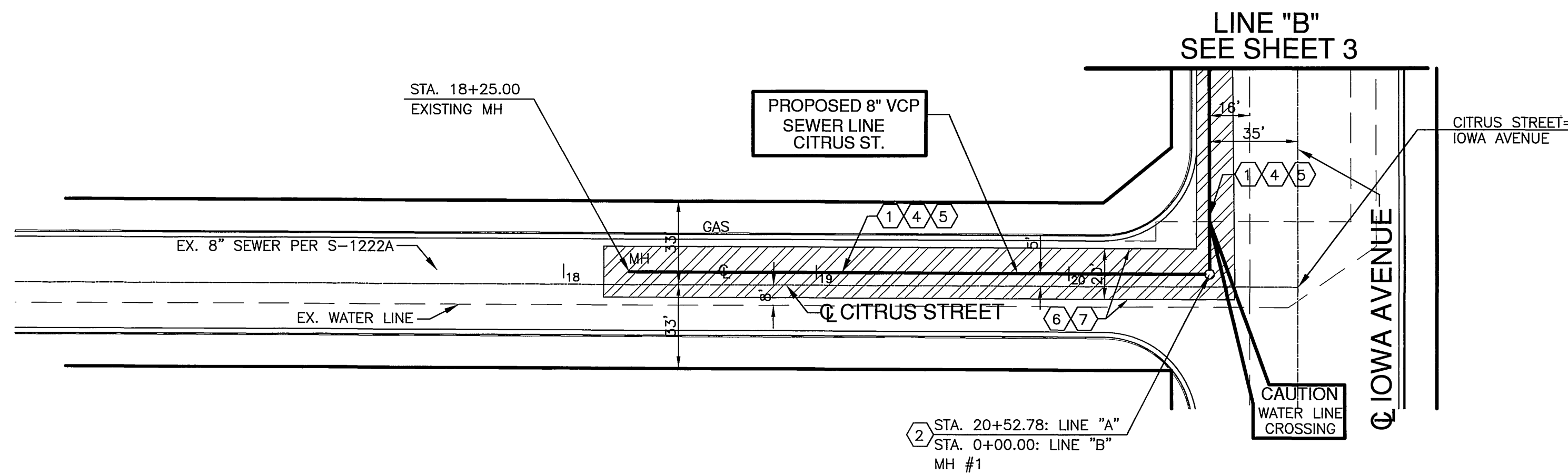
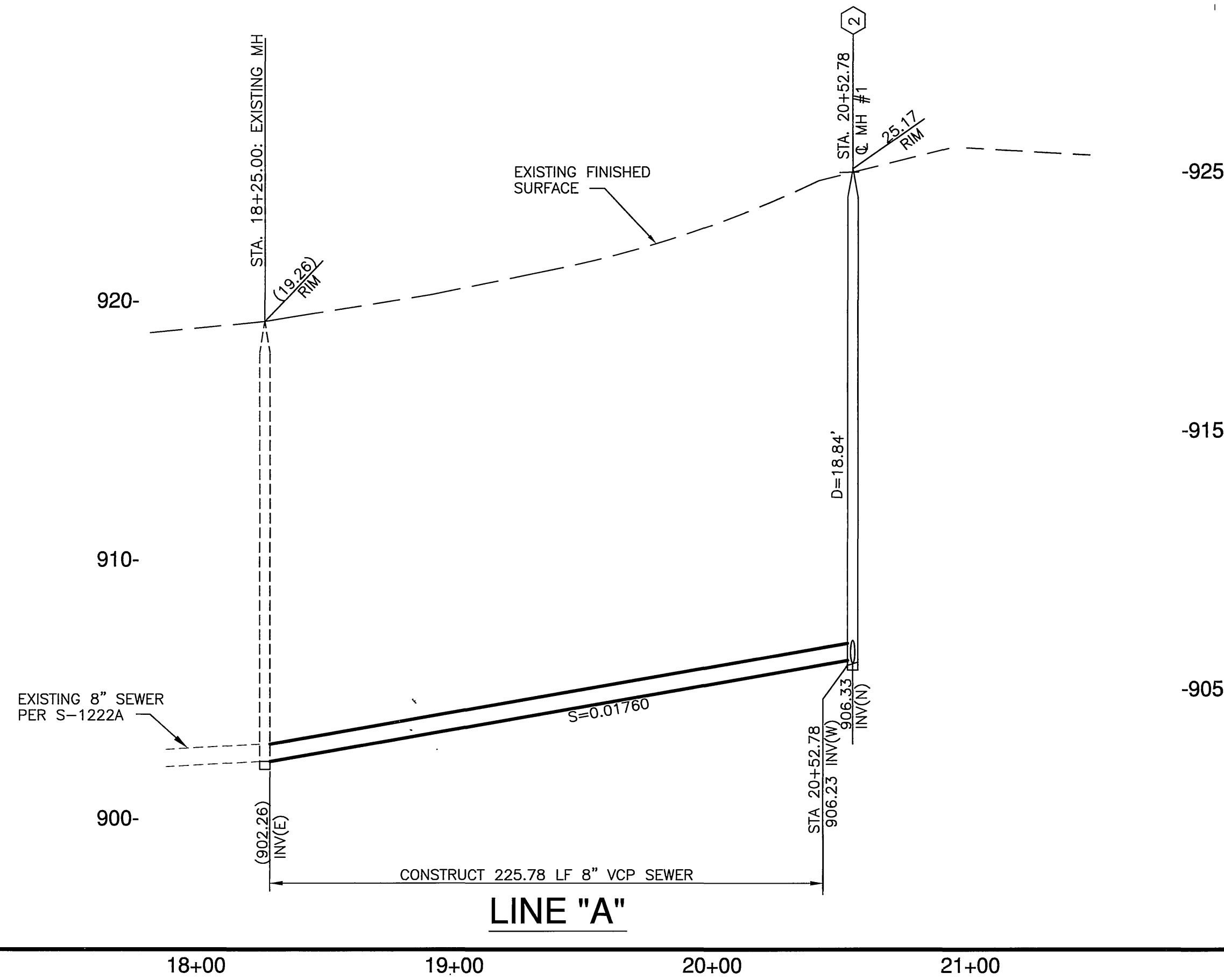
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]* 1/17/06
DATE: 1/17/06
BY: *[Signature]*
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES
APPROVED BY: *[Signature]*
DATE: 1/20/06
CITY ENGINEER

SEWER IMPROVEMENT PLAN
PM 31869
TITLE SHEET
HORIZ. SCALE: 1" = 100'

PW05-0285
ACCOUNT NO.
S-1919
SHEET 1 OF 5
24165

INDEXED 1-23-06 4th

23125 (sht 2 sewer plan and profile) 9-2-05



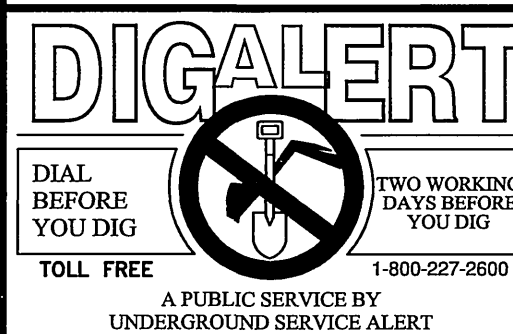
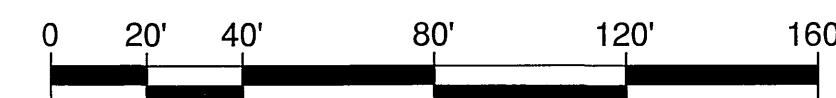
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2. CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500
4. CONSTRUCT TRENCH BACKFILL PER CITY OF RIVERSIDE STD. DWG. NO. 453
5. CONSTRUCT PIPE BEDDING, CASE II PER CITY OF RIVERSIDE DWG. NO. 452
7. SAW CUT AND REMOVE EXISTING AC PAVEMENT
8. CONSTRUCT AC PAVEMENT TO MATCH EXISTING SECTION

LINE "A"



SCALE: 1" = 40'



BENCH MARK: J8-F2
CHISLED SQUARE AT THE SOUTH TOP
OF A CATCH BASIN ON THE NORTHERLY
SIDE OF CENTER STREET EAST OF
TRANSIT AVENUE
DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV: 952.776

Southland Engineering

2200 BUSINESS WAY, Ste. 100
RIVERSIDE, CA 92501
(951) 788-8488

PREPARED UNDER THE SUPERVISION OF

Allen V. Martin 12/21/05
R.C.E. 38463 EXP. 3-31-07

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 1/19/06 BY: [Signature]
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES
CITY ENGINEER
DATE: 1/16/06

SEWER IMPROVEMENT PLAN

PM 31869
PLAN AND PROFILE
LINE "A"
FROM STA. 18+25.00 TO 20+52.78

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PW05-0285

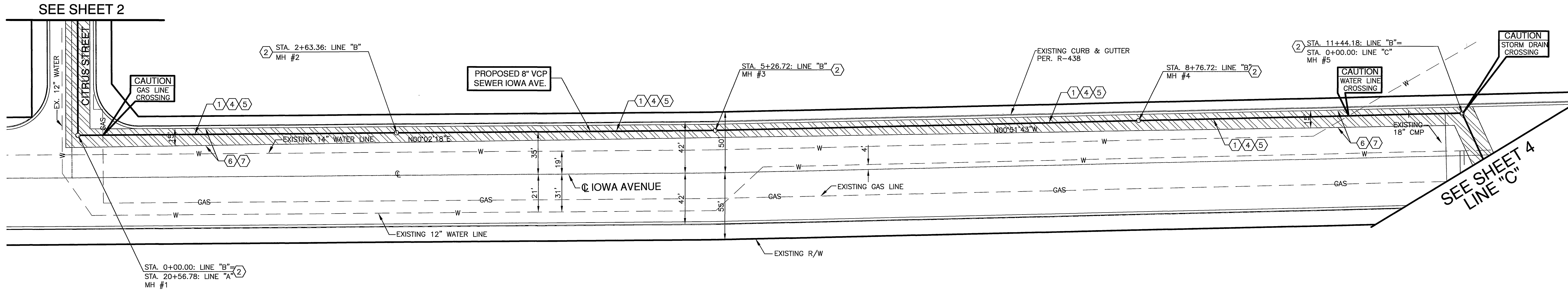
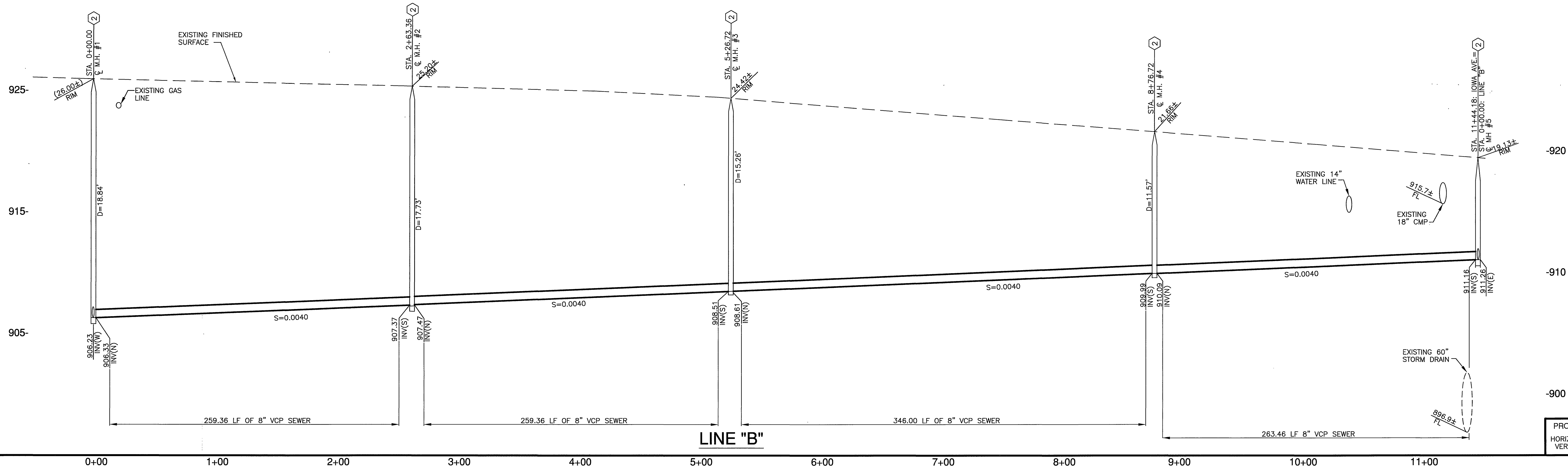
ACCOUNT NO.

S-1919

SHEET 2 OF 5

24165

INDEXED 1-23-06 4H



CONSTRUCTION NOTES:

1. CONSTRUCT 8" VCP SEWER LINE
2. CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500
4. CONSTRUCT TRENCH BACKFILL PER CITY OF RIVERSIDE STD. DWG. NO. 453
5. CONSTRUCT PIPE BEDDING, CASE II PER CITY OF RIVERSIDE DWG. NO. 452
7. SAW CUT AND REMOVE EXISTING AC PAVEMENT
8. CONSTRUCT AC PAVEMENT TO MATCH EXISTING SECTION

LINE "B"



BENCH MARK: J8-F2
CHISLED SQUARE AT THE SOUTH TOP OF A CATCH BASIN ON THE NORTHERLY SIDE OF CENTER STREET EAST OF TRANSIT AVENUE
DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV: 952.776

Southland Engineering
2200 BUSINESS WAY, Ste. 100
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PREPARED UNDER THE SUPERVISION OF
Allen W. Martin
R.C.E. 38463
EXP. 5-31-07

DESIGNED BY: NU
DRAWN BY: GC
CHECKED BY: AM
DATE: 1/10/06

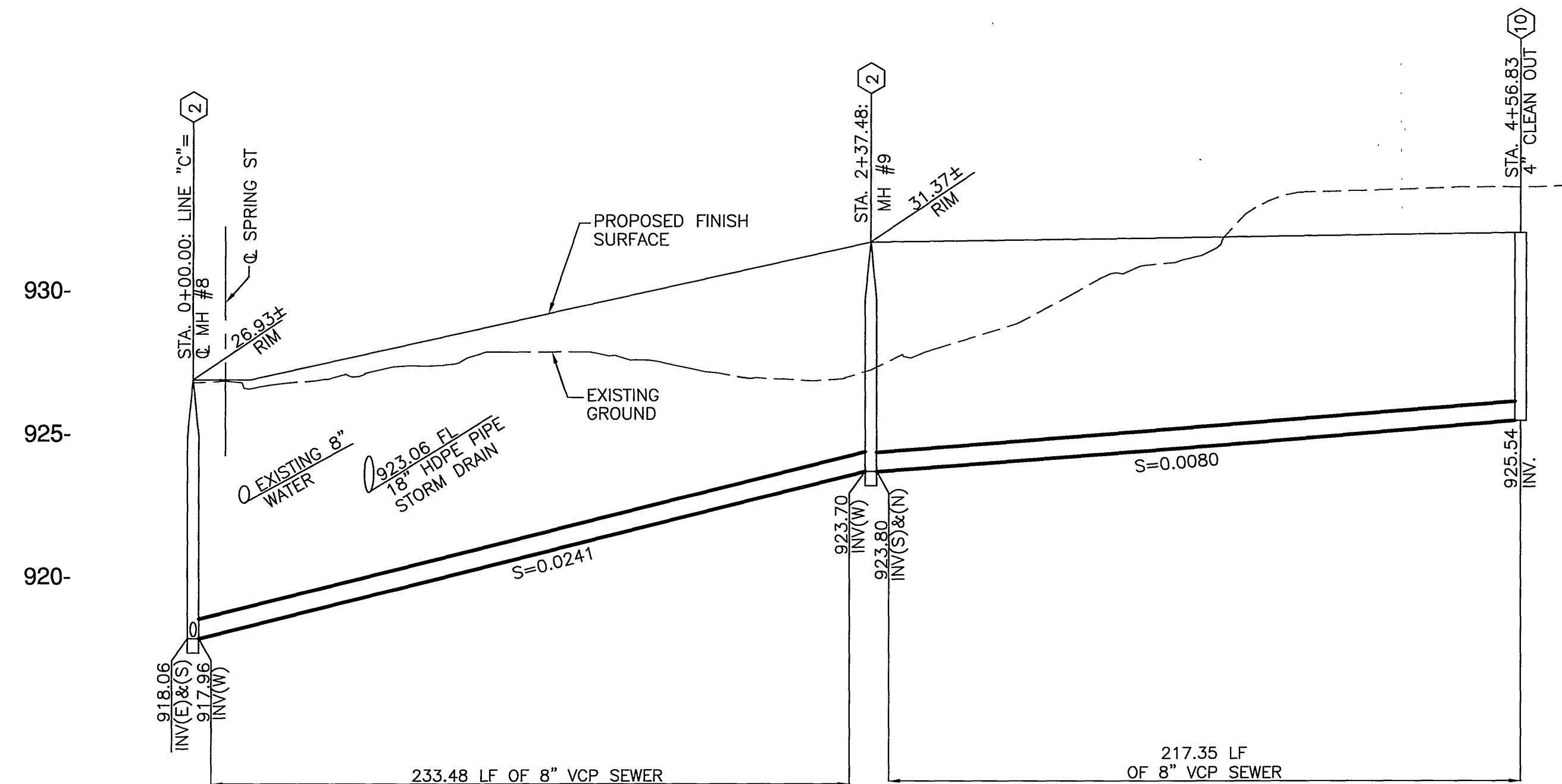
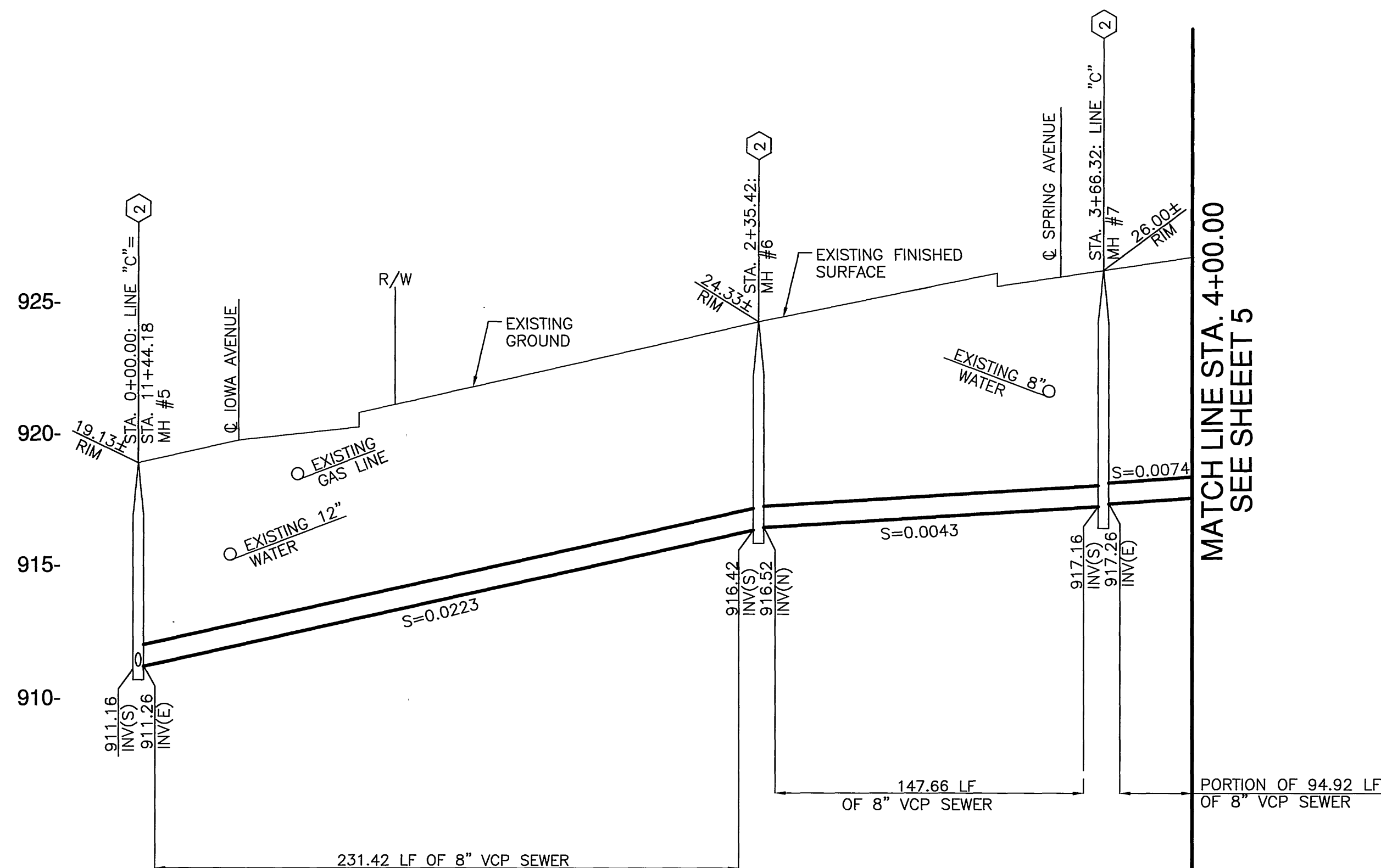
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
DATE: 1/10/06
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES

SEWER IMPROVEMENT PLAN
PM 31869
PLAN AND PROFILE
LINE "B"
FROM STA. 0+00.00 TO STA. 11+44.18
HORIZ. SCALE: 1" = 40'

PW05-0285
ACCOUNT NO.
S-1919
SHEET 3 OF 5
24165

23125 (shl 3 sewer plan and profile) 9-02-05

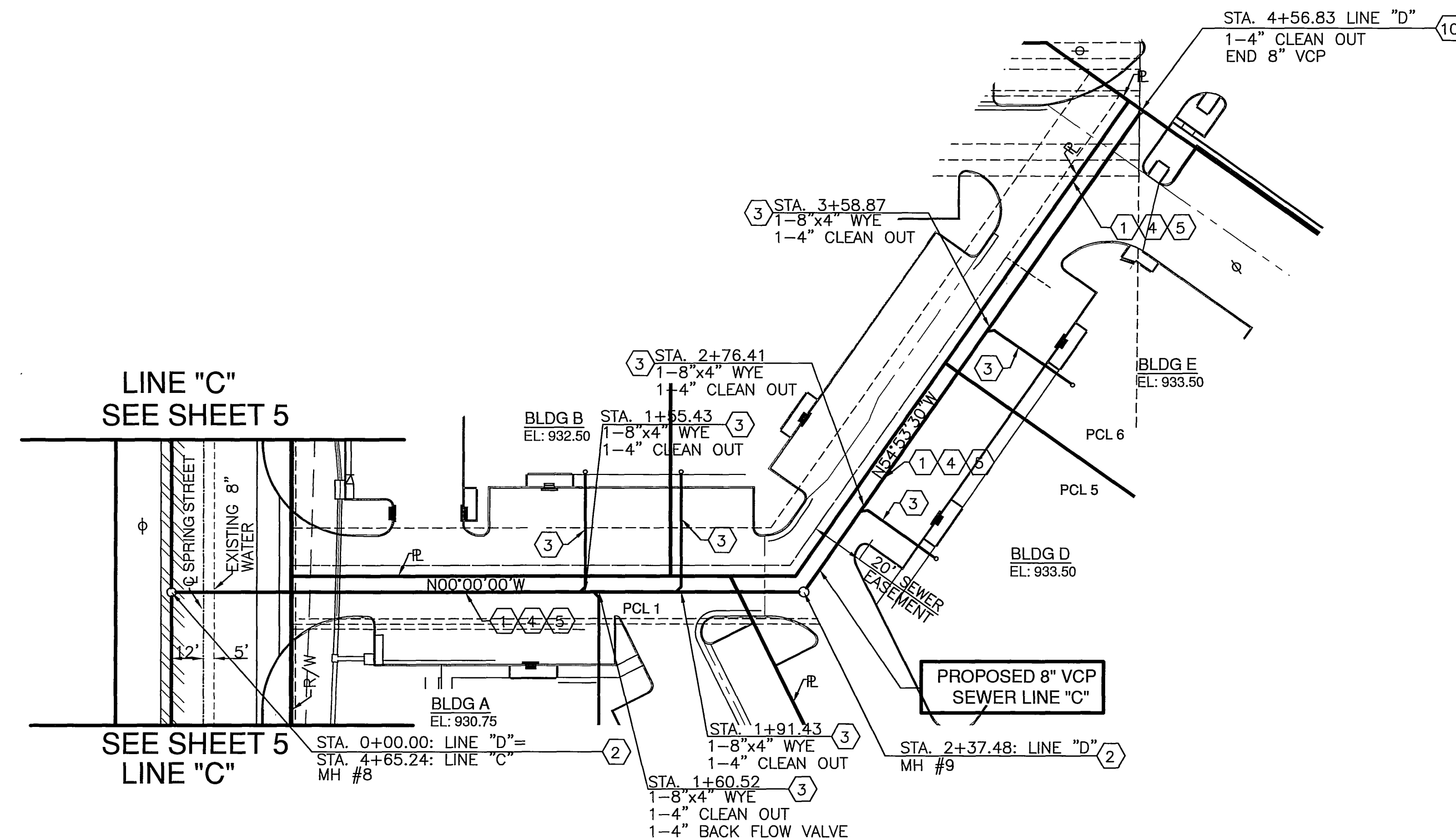
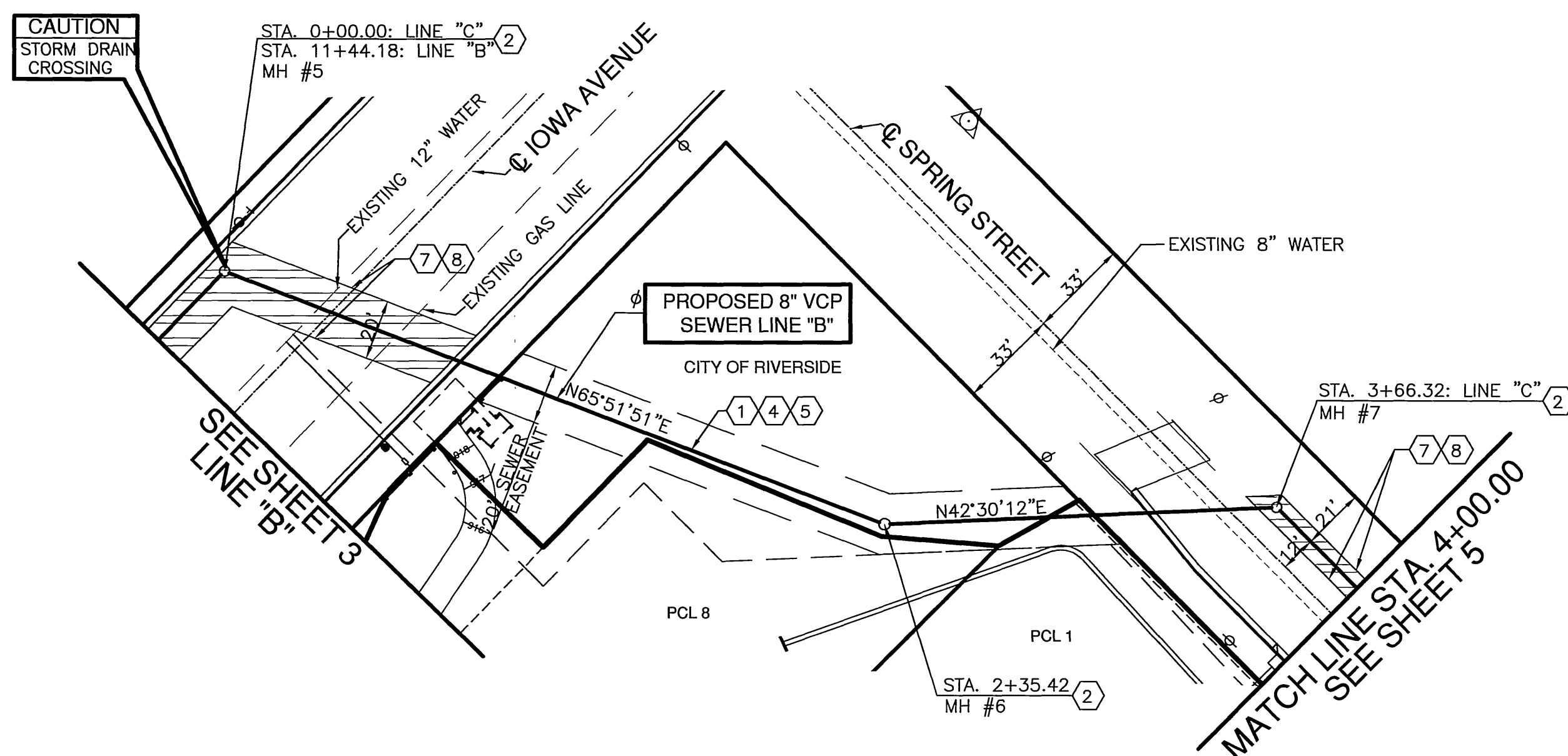
INDEXED 1-23-06 LTH



PROFILE SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'

LINE "C"

LINE "D"



LINE "C"

LINE "D"

CONSTRUCTION NOTES:

1. CONSTRUCT 8" VCP SEWER LINE
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3. CONSTRUCT 4" SEWER LATERAL WITH CLEANOUT PER CITY OF RIVERSIDE DWG. NO. 562
4. CONSTRUCT TRENCH BACKFILL PER CITY OF RIVERSIDE STD. DWG. NO. 453
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6. CONSTRUCT 8"x4" WYE LATERAL
7. SAW CUT AND REMOVE EXISTING AC PAVEMENT
8. CONSTRUCT AC PAVEMENT TO MATCH EXISTING SECTION
9. CONSTRUCT CLEANOUT PER CITY OF RIVERSIDE STD. DWG. NO. 560



Southland Engineering

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PREPARED UNDER THE SUPERVISION OF

Allen W. Martin
R.C.E. 38463
EXP. 3-31-07

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: DATE: BY: 1/19/06
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES

SEWER IMPROVEMENT PLAN

PM 31869
PLAN AND PROFILE
LINE "C" AND LINE "D"
STA. 0+00.00 TO STA. 4+00.00/ STA. 0+00.00 TO STA. 3+68.87

HORIZ. SCALE: 1" = 40'

PW05-0285

ACCOUNT NO.

S-1919

4 OF 5

24165



TOLL FREE 1-800-227-2800
A PUBLIC SERVICE BY
UNDERGROUND SERVICE ALERT

BENCH MARK: JB-F2

CHISLED SQUARE AT THE SOUTH TOP
OF A CATCH BASIN ON THE NORTHERLY
SIDE OF CENTER STREET EAST OF
TRANSIT AVENUE

DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV: 952.776

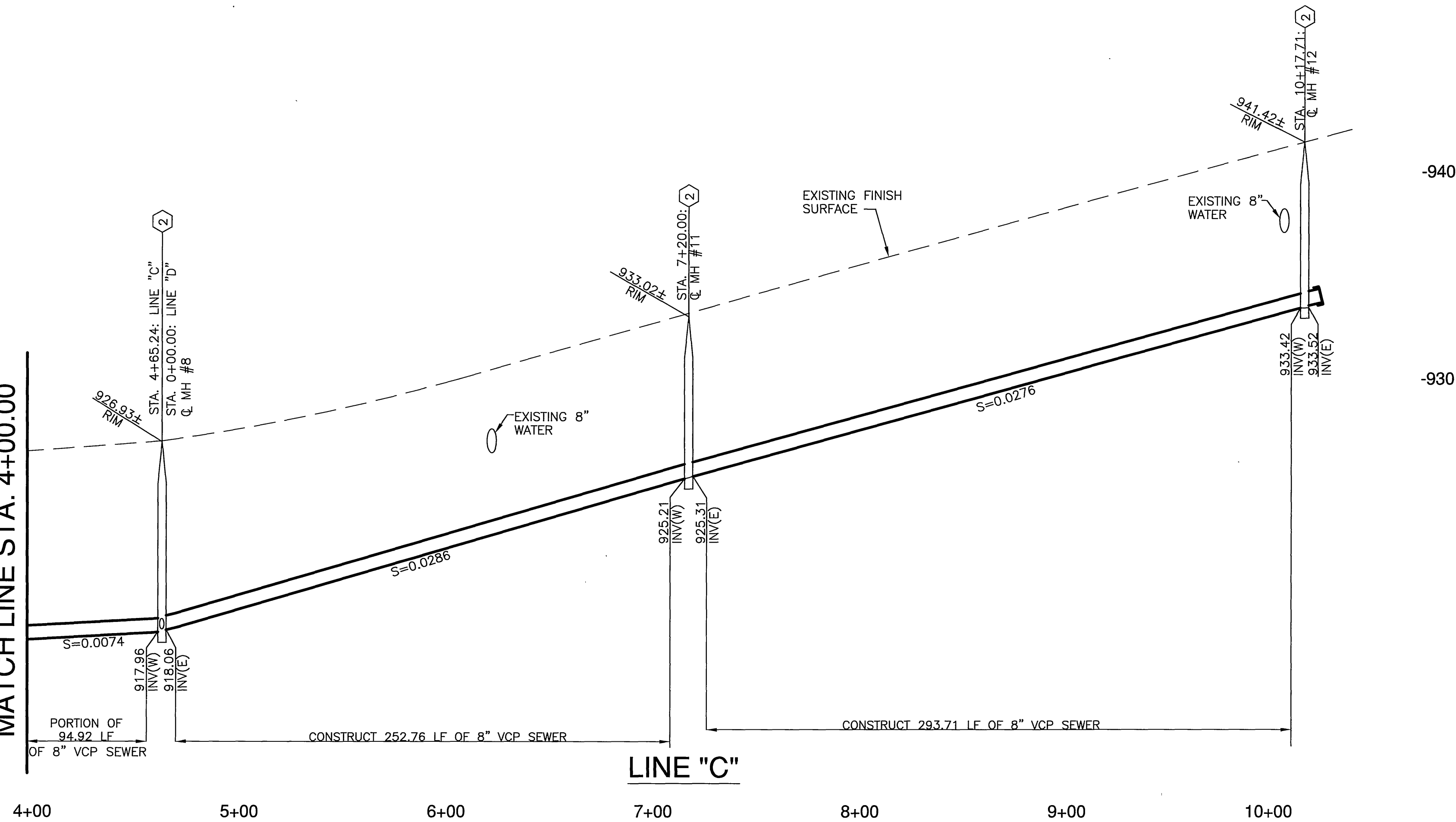
23125 (sht 3 sewer plan and profile) 8-2-05

PROFILE SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'

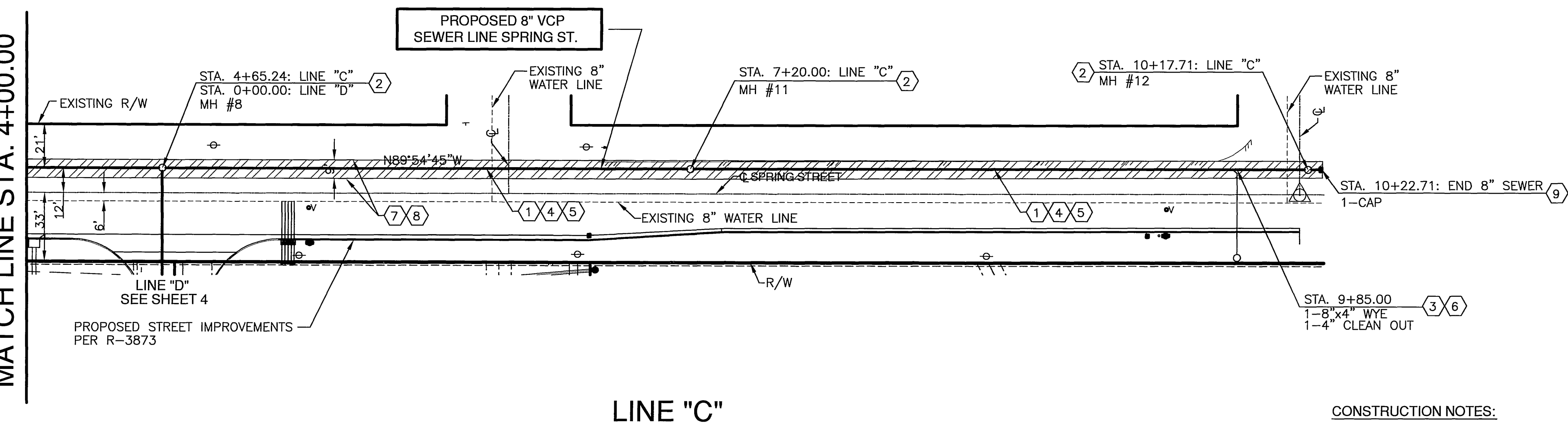
925-

915-

SEE SHEET 4
MATCH LINE STA. 4+00.00



SEE SHEET 4
MATCH LINE STA. 4+00.00



CONSTRUCTION NOTES:

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9. INSTALL END CAP

SCALE: 1" = 40'
0 20' 40' 80' 120' 160'



BENCH MARK: JB-F2
CHISLED SQUARE AT THE SOUTH TOP OF A CATCH BASIN ON THE NORTHERLY SIDE OF CENTER STREET EAST OF TRANSIT AVENUE
DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV: 952.776

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PREPARED UNDER THE SUPERVISION OF
ALLEN W. MARTIN
R.C.E. 38463
EXP. 3-31-07

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 1/17/06
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES

SEWER IMPROVEMENT PLAN
PM 31869
PLAN AND PROFILE
LINE "C"
FROM STA. 4+00.00 TO STA. 10+14.00
HORIZ. SCALE: 1" = 40'

PW05-0285
ACCOUNT NO.
S-1919
SHEET 5 OF 5
24165
INDEXED 1-23-06 LHM